>>**Entry Name: 3-Aminoquinoline**
Synonym(s): 3-Quinolinamine, 9CI. β-Aminoquinoline

CAS Registry Number: 580-17-6

Molecular Formula: $C_9H_8N_2$
Molecular Weight: 144.176
Accurate Mass: 144.068748
Percentage Composition: C 74.98%; H 5.59%; N 19.43%
Physical Description: Cryst. (toluene, H_2O or EtOH aq.)
Melting Point: Mp 84°. Mp 94°
pKa Value: pK_a 4.91 (20°)
Hazard & Toxicity: LD_{50} (mus, ipr) 150 mg/kg

Aldrich: 23228-9
Fluka: 7338
Sigma: A5178

>>**Derivative:** Picrate

Melting Point: Mp 210 dec.°

>>**Derivative:** 3-*N*-Ac

CAS Registry Number: 5417-50-5
Molecular Formula: $C_{11}H_{10}N_2O$
Molecular Weight: 186.213
Accurate Mass: 186.079313
Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 166-167°

>>**Derivative:** 3-*N*-Ac; methosulfate

Physical Description: Yellow cryst.
Melting Point: Mp 171°

>>**Derivative:** *N*-Ph
Synonym(s): 3-Anilinoquinoline. *N*-Phenyl-3-quinolinamine, 9CI

Molecular Formula: $C_{15}H_{12}N_2$
Molecular Weight: 220.273
Accurate Mass: 220.100048
Percentage Composition: C 81.79%; H 5.49%; N 12.72%
Physical Description: Needles (MeOH)
Melting Point: Mp 121-123°

References:
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 436B, *(nmr)*
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Mills, W.H. *et al.*, *J.C.S.*, 1910, **97**, 746
Bargellini, G. *et al.*, *Gazz. Chim. Ital.*, 1923, **53**, 601
Anet, R.*, Can. J. Chem.*, 1959, **37**, 43, *(N-Ph)*